

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/543,078  
Source: PCT  
Date Processed by STIC: 08/02/2005

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PCT

## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/543,078

TIME: 15:00:57

Input Set : A:\Sequence listing as filed.txt

Output Set: N:\CRF4\08022005\J543078.raw

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3 <110> APPLICANT: KOHARA, Michinori
4     WATANABE, Tsunamasa
5     TAIRA, Kazunari
6     MIYAGISHI, Makoto
7     SUDO, Masayuki
9 <120> TITLE OF INVENTION: Oligoribonucleotide or Peptide Nucleic Acid Inhibiting the
10    Function of Hepatitis C Virus
12 <130> FILE REFERENCE: 382.1047
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/543,078
C--> 15 <141> CURRENT FILING DATE: 2005-07-21
17 <150> PRIOR APPLICATION NUMBER: JP 2003/016750
18 <151> PRIOR FILING DATE: 2003-01-24
20 <160> NUMBER OF SEQ ID NOS: 56
22 <170> SOFTWARE: PatentIn Ver. 2.1
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25 <211> LENGTH: 500
26 <212> TYPE: DNA
27 <213> ORGANISM: Hepatitis C virus
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32 cccccctccc gggagagcca tagtggtctg cggaaccggg gagtacaccg gaattgccag 180
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49 cgggagagcc atagtggctc gcggaaccgg tgagtacacc ggaattgccg ggacgaccgg 180
50 gtcccttctt ggatcaaccc gctcaatgcc tggagatttg ggcgtgcccc cgcgagactg 240
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53 aaaccaaacy taacaccaac cgccgcccac aggacgtcaa gttcccgggc ggtggtcaga 420
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60 &lt;212&gt; TYPE: DNA

61 &lt;213&gt; ORGANISM: Hepatitis C virus

63 &lt;400&gt; SEQUENCE: 3

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65 aagcgtctag ccatggcggt agtatgagtg ttgtgcagcc tccaggaccc cccctcccgg 120
66 gagagccata gtggtctgcg gaaccgggtga gtacaccgga attgccagga cgaccgggtc 180
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69 gccccgggag gtctcgtaga ccgtgcatca tgagcacaaa tcctaaacct caaagaaaaa 360
70 ccaaacgtaa caccaaccgc cgcccacagg acgttaagtt cccgggcggt ggtcagatcg 420
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78 &lt;213&gt; ORGANISM: Hepatitis C virus

80 &lt;400&gt; SEQUENCE: 4

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82 tgtcttcacg cagaaagcgt ctagccatgg cgtagtatg agtgctgtgc agcctccagg 120
83 acccccctc ccgggagagc catagtgggtc tgcggaaccg gtgagtacac cggaattgcc 180
84 aggacgaccg ggtcctttct tggatcaacc cgctcaatgc ctggagattt gggcgtgccc 240
85 ccgcgagact gctagccgag tagtggtggg tcgcgaaagg ccttggtgta ctgcctgata 300
86 ggggtgcttg gagtgccccg ggagggtctg tagaccgtgc atcatgagca caaatcccaa 360
87 accccaaaga aaaaccaaac gtaacaccaa ccgtcgccca caggacgtca agttcccggg 420
88 tgggtggtcag atcgttggtg gagtttacct gttgccgcgc agggggccca ggttgggtgt 480
89 gcgcgcgact aggaagactt
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94 &lt;212&gt; TYPE: DNA

95 &lt;213&gt; ORGANISM: Hepatitis C virus

97 &lt;400&gt; SEQUENCE: 5

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99 tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtacag cctccaggcc 120
100 cccccctccc gggagagcca tagtgggtctg cggaaccggt gagtacaccg gaattgccgg 180
101 gaagaccggg tcctttcttg gataaaccgc ctctatgcc ggccatttgg gcgtgcccc 240
102 gcaagactgc tagccgagta gcgttgggtt gcgaaaggcc ttgtggtact gcctgatagg 300
103 gtgcttgcca gtgccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360
104 ctcaaagaaa aaccacaaaga aacactaacc gtcgcccaca agacgttaag tttccgggcg 420
105 gcggccagat cgttggcgga gtatacttgt tgccgcgtag gggccccaga ttgggtgtgc 480
106 gcacagcaag gaagacttcg
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110 &lt;211&gt; LENGTH: 500

111 &lt;212&gt; TYPE: DNA

112 &lt;213&gt; ORGANISM: Hepatitis C virus

114 &lt;400&gt; SEQUENCE: 6

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115 acccgcccc taataggggc gacactccgc catgaatcac tcccctgtga ggaactactg 60
116 tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtacag cctccaggcc 120
117 cccccctccc gggagagcca tagtgggtctg cggaaccggt gagtacaccg gaattgccgg 180

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118 gaagactggg tcctttcttg gataaaccca ctctatgccc ggccatttgg gcgtgcccc 240
119 gcaagactgc tagccgagta gcgttgggtt gcgaaaggcc ttgtggtact gcctgatagg 300
120 gtgcttgcca gtgccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360
121 ctcaaagaaa aaccacaga aacactaacc gtcgccaca agacgttaag tttccgggcg 420
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127 <211> LENGTH: 500
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129 <213> ORGANISM: Hepatitis C virus
131 <400> SEQUENCE: 7
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133 cttcacgcag aaagcgtcta gccatggcgt tagtatgagt gtcgtacag cccaggccc 120
134 cccctccc ggagagccat agtggctctg ggaaccggtg agtacaccg aattgccggg 180
135 aagactgggt cctttcttg ataaaccac tctatgccc gtcatttggg cgtgcccccg 240
136 caagactgct agccgagtag cggttgggtt cgaaaggcct tgtggtactg cctgataggg 300
137 tgcttgcgag tgccccggga ggtctcgtag accgtgcacc atgagcaca atcctaaacc 360
138 tcaaagaaaa accaaaagaa acaccaaccg tcgccacaa gacgttaagt ttcggggcg 420
139 cggccagatc gttggcgga tatacttgtt gccgcgcag gggcccggt tgggtgtgc 480
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150 cttcacgcag aaagcgccta gccatggcgt tagtatgagt gtcgtacag cccaggccc 120
151 cccctccc ggagagccat agtggctctg ggaaccggtg agtacaccg aattgccggg 180
152 aagactgggt cctttcttg ataaaccac tctatgccc gccatttggg cgtgcccccg 240
153 caagactgct agccgagtag cggttgggtt cgaaaggcct tgtggtactg cctgataggg 300
154 cgcttgcgag tgccccggga ggtctcgtag accgtgcacc atgagcaca atcctaaacc 360
155 tcaaagaaaa accaaaagaa acaccaaccg tcgccagaa gacgttaagt tccggggcg 420
156 cggccagatc gttggcgga tatacttgtt gccgcgcag gggcccggt tgggtgtgc 480
157 cgcgacaagg aaaacttcg 500
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163 <213> ORGANISM: Hepatitis C virus
165 <400> SEQUENCE: 9
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167 tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtacag cctccaggcc 120
168 cccctccc gggagagcca tagtggctct cggaaccggt gagtacacc gaattgccgg 180
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170 gcaagactgc tagccgagta gcgttgggtt gcgaaaggcc ttgtggtact gcctgatagg 300
171 gtgcttgcca gtgccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360
172 ctcaaagaaa aaccacaga aacactaacc gtcgccaca agacgttaag tttccgggcg 420
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## RAW SEQUENCE LISTING

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180 &lt;213&gt; ORGANISM: Hepatitis C virus

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185 cccctcccg. ggagagccat agtgggtctgc ggaaccgggt agtacaccgg aattgccggg 180
186 aagactgggt cttttcttgg ataaaccac tctatgcccg gccatttggg cgtgcccccg 240
187 caagaccgct agccgagtag cgttgggttg cgaaaggcct tgtggtactg cctgataggg 300
188 tgcttgcgag tgccccggga ggtctcgtag accgtgcacc atgagcaca atcctaaacc 360
189 tcaaagacaa accaaaagaa acaccagccg tcgccacaa gacgttaggt ttccgggcgg 420
190 cggccagatc gttggcggag tatacttgtt gccgcgcagg ggccccaggg tgggtgtgag 480
191 cgcgacaagg aagacttcgg                                     500

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194 &lt;210&gt; SEQ ID NO: 11

195 &lt;211&gt; LENGTH: 500

196 &lt;212&gt; TYPE: DNA

197 &lt;213&gt; ORGANISM: Hepatitis C virus

199 &lt;400&gt; SEQUENCE: 11

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201 tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtacag cctccaggcc 120
202 cccctccccc gggagagcca tagtgggtct cggaaccggg gtagtacacc gaattaccgg 180
203 aaagactggg tcctttcttg gataaaccca ctctatgtcc ggtcatttgg gcacgcccc 240
204 gcaagactgc tagccgagta gcgttgggtt gcgaaaggcc ttgtggtact gcctgatagg 300
205 gtgcttgcca gtgccccggg aggtctcgta gaccgtgcat catgagcaca aatcctaaac 360
206 ctcaaagaaa aaccaaagaa aacacaaacc gccgcccaca ggacgttaag ttcccgggtg 420
207 gcggtcagat cgttggcgga gtttacttgc tgccgcgcag gggccccagg ttgggtgtgc 480
208 gcgcgacaag gaagacttct                                     500

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211 &lt;210&gt; SEQ ID NO: 12

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213 &lt;212&gt; TYPE: DNA

214 &lt;213&gt; ORGANISM: Hepatitis C virus

216 &lt;400&gt; SEQUENCE: 12

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218 taggcattca cctcctcccc aaccgatgaa gggtggggta aacactccgg cctcttaagc 120
219 catctcctgt tttttttttt tttttttttt tttttttctt tttttttttc tttcctttcc 180
220 ttcttttttt cctttctttt tcccttcttt aatgggtggc ccatcttagc cctagtcacg 240
221 gctagctgtg aaagggtccg gagccgcatg actgcagaga gtgctgatac tggcctctct 300
222 gcagatcatg t                                     311

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225 &lt;210&gt; SEQ ID NO: 13

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227 &lt;212&gt; TYPE: DNA

228 &lt;213&gt; ORGANISM: Hepatitis C virus

230 &lt;400&gt; SEQUENCE: 13

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231 gtccagctgg ttcgtggctg gttacagcgg gggagacata tatcacagcc tgtctcgtgc 60
232 cggaccccg. tgggttcatt tgtgcctact cctactttca gtaggggtag gcatctacct 120
233 gctccccaac cgataaacgg ggagctaaac actccaggcc aataggccat ttcttttttt 180
234 tttttttttt ttttttcttt tttttttttt tttttttttt tttttttttt tttttttttt 240
235 ctttcttttg tttttttttt ttttcttctt tttgggtggc ccatcttagc cctagtcacg 300
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253 gtatctctgc agatcatgt 439
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259 <213> ORGANISM: Hepatitis C virus
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264 ccttttccta ctccccgctc ggtagagcgg cacacattag ctacactcca tagctaactg 180
265 tccctttttt tttttttttt tgtttctttt cctttctcatt tccttcttat cttaattact 240
266 ttctttcctg gtggctccat cttagcccta gtcacggcta gctgtgaaag gtccgtgagc 300
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273 <213> ORGANISM: Hepatitis C virus
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278 tttactcccc gctcggtaga gcggcacaca ttagctacac tccatagota actgttcctt 180
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294 cctctttctt cccttctcat cttattctac tttctttctt ggtggctcca tcttagccct 300
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VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date